Amendments to the Claims

Please add new Claims 15-20. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

- 1. (Original) A method for forming microparticles comprising the steps of:
 - a) directing microdroplets of a mixture comprising a biocompatible polymer, a solvent for the polymer and a protein, peptide or small molecule, into a freezing section containing a liquefied gas, whereby the microdroplets freeze; and
 - b) contacting the frozen microdroplets in an extraction section with a liquid non-solvent to extract the solvent into the non-solvent thereby forming said microparticles; wherein the freezing section and extraction section are separated, and the non-solvent is in the liquid state throughout the method.
- 2. (Original) The method of Claim 1, wherein the biocompatible polymer is biodegradable.
- 3. (Original) The method of Claim 2, wherein said biocompatible and biodegradable polymer is selected from the group consisting of poly(lactide)s, poly(glycolide)s, poly(lactide-co-glycolide)s, poly(lactic acid)s, poly(glycolic acid)s, polycarbonates, polyesteramides, polyanhydrides, poly(amino acids), polyorthoesters, polycaprolactone, poly(dioxanone)s, poly(alkylene alkylate)s, polyurethanes, blends and copolymers thereof.
- 4. (Original) The method of Claim 3, wherein the polymer is a poly(lactide-co-glycolide).
- 5. (Original) The method of Claim 1, wherein the temperature of step (b) is lower than the temperature of step (c).

- 6. (Original) The method of Claim 1, wherein the liquefied gas is sprayed into the freezing section.
- 7. (Original) The method of Claim 1, wherein the frozen microdroplets are collected at the bottom of the freezing section and directed into the extraction section.
- 8. (Original) A method for forming microparticles comprising the steps of:
 - a) directing the microdroplets of a mixture comprising a biocompatible polymer, a solvent for the polymer and a protein, peptide or small molecule, into a freezing vessel containing a liquefied gas, whereby the microdroplets freeze; and
 - b) contacting the frozen microdroplets in an extraction vessel with a liquid non-solvent to extract the solvent into the non-solvent thereby forming said microparticles; wherein the freezing vessel and extraction vessel are separated, and the non-solvent is in the liquid state throughout the method.
- 9. (Original) The method of Claim 8, wherein the biocompatible polymer is biodegradable.
- 10. (Original) The method of Claim 9, wherein said biocompatible and biodegradable polymer is selected from the group consisting of poly(lactide)s, poly(glycolide)s, poly(lactide-co-glycolide)s, poly(lactic acid)s, poly(glycolic acid)s, polycarbonates, polyesteramides, polyanhydrides, poly(amino acids), polyorthoesters, polyacetals, polycyanoacrylates, polyetheresters, polycaprolactone, poly(dioxanone)s, poly(alkylene alkylate)s, polyurethanes, blends and copolymers thereof.
- 11. (Original) The method of Claim 8, wherein the polymer is a poly(lactide-co-glycolide).
- 12. (Original) The method of Claim 8, wherein the temperature of step (b) is lower than the temperature of step (c).

- 13. (Original) The method of Claim 8, wherein the liquefied gas is sprayed into the freezing vessel.
- 14. (Original) The method of Claim 8, wherein the frozen microdroplets are collected at the bottom of the freezing vessel and directed into the extraction vessel.
- 15. (New) The method of Claim 1, wherein the protein, peptide or small molecule is dissolved in the mixture.
- 16. (New) The method of Claim 1, wherein the protein, peptide or small molecule is suspended in the mixture.
- 17. (New) The method of Claim 1, wherein the protein, peptide or small molecule forms an emulsion in the mixture.
- 18. (New) The method of Claim 8, wherein the protein, peptide or small molecule is dissolved in the mixture.
- 19. (New) The method of Claim 8, wherein the protein, peptide or small molecule is suspended in the mixture.
- 20. (New) The method of Claim 8, wherein the protein, peptide or small molecule forms an emulsion in the mixture.